

THE 1956-1957 INVASION OF THREE-TOED WOODPECKERS

BY J. DAVID WEST AND J. MURRAY SPEIRS

THE fall-winter period of 1956-1957 was highlighted by a major flight of Black-backed Three-toed Woodpeckers (*Picoides arcticus*) and Northern Three-toed Woodpeckers (*Picoides tridactylus*) into southeastern Canada and northeastern United States. Southern Ontario and New England were the principal regions involved, although reports were received from an area extending from Minnesota to the Maritime provinces. The flight was undoubtedly the heaviest on record, at least for southern Ontario, where many observers saw one or both of these usually rare birds for the first time.

Prior to 1956, in southern Ontario, individual Black-backed Three-toed Woodpeckers had been noted in the Toronto region nearly every winter. Minor flights, involving perhaps half a dozen birds, had occurred during a few winters. The Northern Three-toed Woodpecker had been reported from the Toronto region only twice prior to the winter of 1956-57. A bird collected in November, 1901, at Well's Hill is in the Royal Ontario Museum; and a second was seen by R. H. Ivor at Erindale on November 17, 1942.

ACKNOWLEDGMENT

We thank all who assisted with records and other information for this paper, and particularly Mrs. Ruth P. Emery, of Boston, Massachusetts, and Mr. James L. Baillie, of Toronto, Ontario, for New England records and for Toronto and Ontario records, respectively. Others who assisted materially were Dr. W. Earl Godfrey, of Ottawa, Ontario; Dr. W. W. H. Gunn, of Toronto, Ontario; Mr. Fred T. Hall, of Buffalo, New York; Mr. Peter J. Hamel, of Hamilton, Ontario; Mr. Christopher M. Packard, of Brunswick, Maine; Mr. Frank R. Pammett, of Peterborough, Ontario; Mr. Chandler S. Robbins, of the U.S. Fish and Wildlife Service, Laurel, Maryland; and Abbé René Tanguay, of St. Anne de la Pocatière, Quebec.

FLIGHT OF NORTHERN THREE-TOED WOODPECKERS

No fewer than eight of these rare woodpeckers were reported from the Toronto region during the winter of 1956-57. The first was found on November 11 at West Hill, scaling the outer bark from the upper branches of a huge elm tree by the side of Highland Creek. A Black-backed Three-toed Woodpecker was working over the same tree, and several observers had the good fortune of seeing both at work side by side. Another which attracted much attention turned up at Glendon Hall, an estate willed to the University of Toronto and within 15-minutes driving time of the main campus. A fine male, discovered at Agincourt on December 30, remained for several weeks, was seen by many observers, and was much photographed. It was subsequently caught by R. R. Taylor, banded, and released.

Most of the reports of the Northern Three-toed Woodpecker in New England were from within its regular range in Maine. However, three were seen in Massachusetts: a pair at Rowley between January 28 and March 31; and a single bird at Milton, in the Boston area, on May 7, one of the late records of this species.

A female Northern Three-toed Woodpecker was seen on December 27, at Genessee Valley Park in New York State. The same bird, possibly, was seen again at Winslow Road, two miles away, on May 11, 1957. This species is decidedly rare in New York State. At Ithaca, it has been observed only once or twice in the past 50 years. A pair was recorded at Raquette, in northern New York, excavating in a spruce on June 10, 1957.

The only report from Michigan was of a specimen collected in the Upper Peninsula in early February, the first taken in the state in many years.

Eight records of this species were received from Quebec, between November 1 (at St. Foy) and May 20 (at Giffard). Both localities mentioned are in the Quebec City area.

From the whole region considered in this report, a total of 59 records of the Northern Three-toed Woodpecker was received (Table 1; Fig. 1). Of these, 28 were from Ontario, only one of which was from within its regular range. There were 16 records from New England, of which four were outside its regular range. The earliest report was on October 28 at Kingston, Ontario, and the latest on June 20 at Pinery Park, Lambton County, in southwestern Ontario.

Seven Northern Three-toed Woodpeckers were reported on the 1956 Christmas counts.

FLIGHT OF BLACK-BACKED THREE-TOED WOODPECKERS

About five Black-backed Three-toed Woodpeckers were reported for every Northern Three-toed Woodpecker. The total was 293 (compared with 59 Northern), of which 114 were from Ontario and 98 from New England. (See Table 2 and Fig. 2.) There were 32 reports from Quebec, two from New Brunswick, and one from Nova Scotia. New York State had 38 reports, and single birds were reported from New Jersey, Pennsylvania, and Minnesota. Illinois and Wisconsin each reported two, and three reports came from Michigan.

The most southerly records are from Culver's Gap, New Jersey, where one was reported on October 22; Point Pelee, Ontario, October 27; Roekford, Illinois, December 9; Pymatuning Reservoir, March 23 (the first record for western Pennsylvania), and Mill Neck, Long Island, in mid-February. The two seen in Wisconsin, one on October 28 and the other on November 25, were the first reported to the Wisconsin Society for Ornithology since 1951.

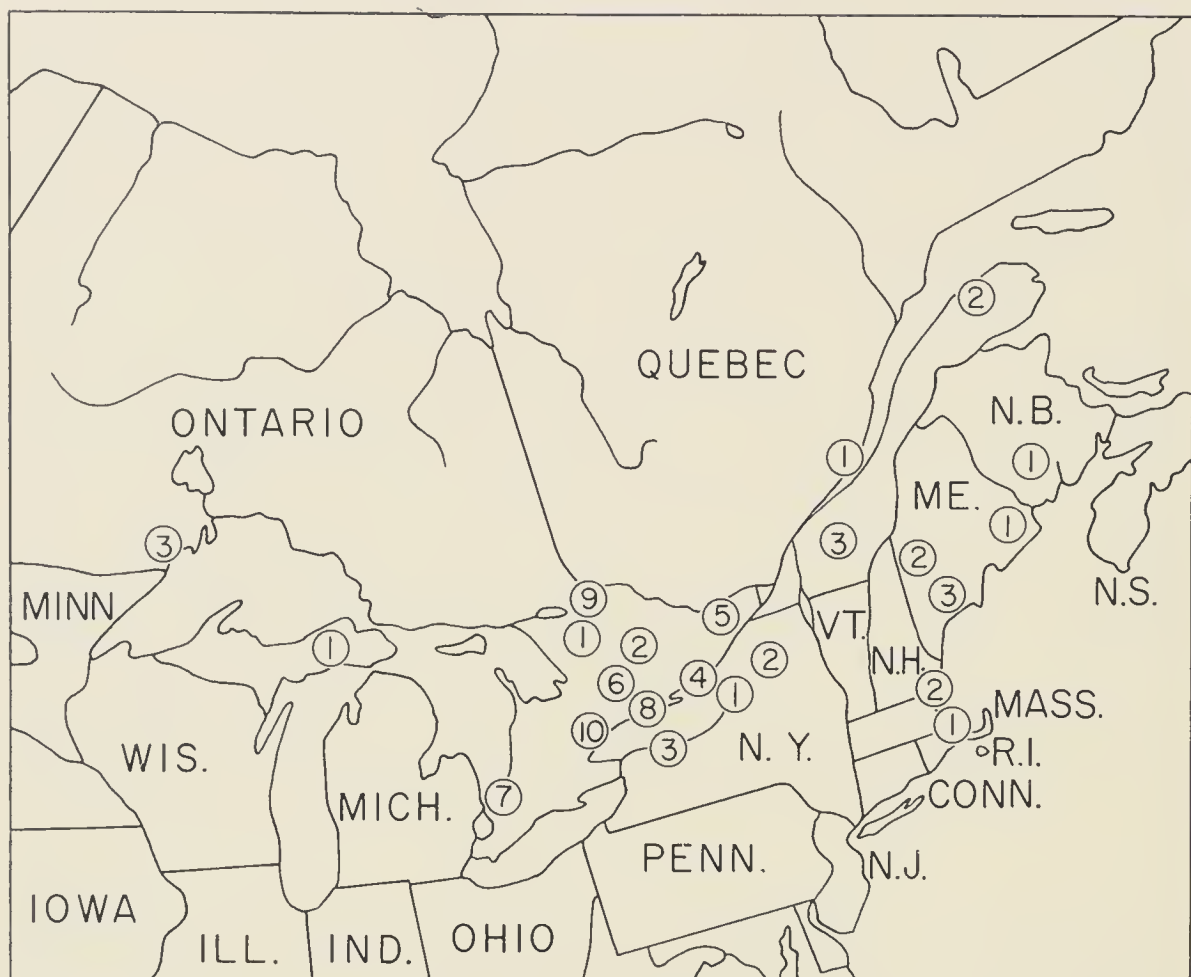


FIG. 1. Records of the Northern Three-toed Woodpecker. Places or areas in each state or province from which records were received are numbered and are listed chronologically in Table 1.

The earliest report received was from Ste. Felicité, Quebec, where a family group of five was seen on August 8, 1956. This, however, was prior to the flight proper, which was first noted (also in Quebec) at Quebec City, where one was seen on September 8 and two on September 22. Another early September report was from Brier Island, Nova Scotia, where a female was banded by Harrison F. Lewis.

The first Ontario report, on September 25 at Barrie, was followed by reports from Commanda, Toronto, and Kingston, in early October. Numerous observations followed, up to early December; they then tapered off sharply, but birds were reported every month up to June 2, at Pickering, in the Toronto area.

The first New England record was at Monhegan Island, Maine, on September 26. On September 29, a specimen was found dead at Haverhill, the first record of this flight for Massachusetts. Of a total of 56 records received from this state, most were in the eastern section. One of the Massachusetts birds

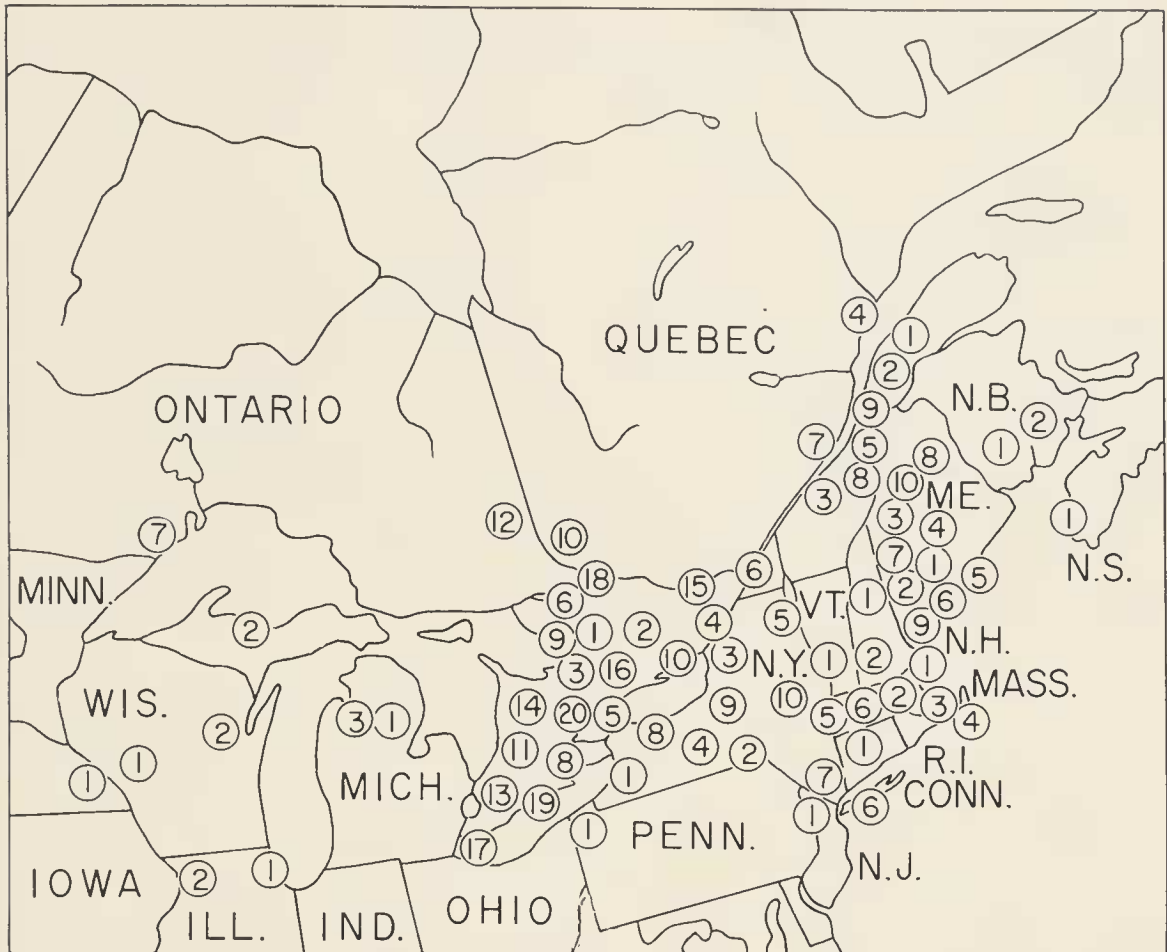


FIG. 2. Records of the Black-backed Three-toed Woodpecker. Places or areas in each state or province from which records were received are numbered and are listed chronologically in Table 2.

was reported from Nantucket, 30 miles off the southeast coast. A bird at Hyde Park, south of Boston, on August 10, 1957, apparently was a left-over from the flight. This was the latest report received from any locality in the flight area. Previously, a major New England flight occurred in the years 1923–1926. Only five records of the species were obtained in the intervening years by the Massachusetts Audubon Society.

The first New York State report was on October 11 at Chenango Valley State Park, and the first for western New York, at Wilson on October 20. Thirty-eight reports were obtained from New York, the Genesee Valley region being the most productive. The normal occurrence of this species at Rochester is one bird every five to ten years.

Thirty-one Black-backed Three-toed Woodpeckers were reported on Christmas counts, including eight at Toronto and five at Rochester.

A great many of the reports stated that individuals of both species were seen on elm trees. In the Toronto region they worked over the elms as high

up as scaly bark was available. This they chipped off, revealing the fawn-colored inner bark. The report from Buffalo, New York, suggested that the attraction may have been the *Scolytus* beetle, a vector of Dutch elm disease.

The heavy flight of Black-backed Three-toed Woodpeckers of 1923-24 in New England was fully reported by Josselyn Van Tyne (1926. *Auk*, 43:469-474). He attributed it to a big population built up in eastern Canada and Maine, resulting in part at least from the activities of the spruce budworm, which had devastated large areas in those regions between the years 1909-1914. Subsequent tree mortality was heavy and was apparent as late as 1924. The dead trees provided ideal conditions for bark beetles and borers, upon a diet of which the three-toed woodpeckers flourished and increased.

The disastrous forest fires of 1955 may have been a contributing factor in bringing about the 1956-1957 flight.

TABLE I
NORTHERN THREE-TOED WOODPECKER RECORDS

Map Reference No.	Locality	Date	Observers	Number (Sex if given)
	MAINE			
1	Charlotte	March 1	A. E. Davis	1
2	Franklin County Langton Township	Nov. 11 Nov. 12 Feb. 26	Emery Emery Townsend	2 8 1
3	Eustis Sidney	Nov. 10	Emery	1
	MASSACHUSETTS			
1	Milton	May 7	Charles Ewing	1
2	Rowley	Jan. 28-30 Feb. 2-March 31	Mrs. C. de Windt, <i>et al.</i> <i>vide</i> Ruth P. Emery	1 ♀ 1 ♂
	MICHIGAN			
1	Luce County McMillan Township	Feb. 3	Robert S. Butsch	1 ♂ (specimen)
	NEW BRUNSWICK			
1	Fredericton	Nov. 2	W. A. Squires	1
	NEW YORK			
1	Fisher's Landing	March 10	Allen	1
2	Raquette	June 10	Robertia Seamen, <i>et al.</i> (<i>Audubon Field Notes</i> , Aug., 1957)	2
	ROCHESTER area			
3	Genesee Valley Park Winslow Road	Dec. 27-March May 11	Muchmore, <i>et al.</i> Starling, Bruner	1 ♀ 1 ♀
	ONTARIO			
1	Algonquin Park area Lake Sasajewan Huntsville Bella Lake	Nov. 3 Dec. 23 Jan. 3	G. Gibson R. J. Rutter C. N. Ireson	1 2 1 ♂
2	Bancroft area McGarry's Creek Bancroft	Jan. 13 Feb. 9	D. E. Scovell D. E. Scovell	1 ♂ 1 ♀

TABLE 1 (Continued)

Map Reference No.	Locality	Date	Observers	Number (Sex if given)
3	Fort William	Dec. 30	Keith Denis	1
4	Kingston area Kingston Bedford Mills	Oct. 28 Nov. 10	Arthur Bell Alden Strong	1 ♀ 1 ♀
5	Ottawa area Ottawa Almonte	Late Nov. Dec. 2	acc. to W. Earl Godfrey W. Earl Godfrey	1 1
6	Peterborough area	Nov. 3 Nov. 18 Dec. 26 Feb. 17 April 21	R. K. Baker, F. R. Pammett R. K. Baker R. K. Baker, F. R. Pammett, D. Sadler R. K. Baker, F. R. Pammett R. K. Baker Dr. Keith Reynolds, <i>et al.</i>	1 ♀ 1 ♂ 1 ♂ 1 ♂ 1 ♂ 1 ♂
7	Pinery Park, Lambton County	June 20	Dr. Keith Reynolds, <i>et al.</i>	1 ♂
8	Port Hope area Port Hope Canton	Early Dec. ca. Dec. 25	R. Burness <i>vide</i> P. Landry	1 1
9	Rutherglen	May 16-June 10	Louise de Kiriline Lawrence	1 ♂
10	Toronto area Highland Creek Ajax Glendon Hall Agincourt Port Credit Scarboro Donalda Agincourt	Nov. 11 Nov. 11 Nov. 17 Dec. 20 Dec. 21 Dec. 23 Dec. 25 Dec. 30	G. Fairfield W. Campbell D. Bryant, E. Waltho, L. Hughes G. Page, R. Wilson Mrs. L. McDougall W. Martin W. Hough J. L. Baillie, <i>et al.</i>	1 ♀ 1 ♂ 1 ♀ 1 ♀ 1 1 1 ♂ 1 ♂
QUEBEC				
1	Quebec City area Ste. Foy Cape Tourmente Valcartier Giffard	Nov. 1-4 Nov. 13 Dec. 11 May 20	Gaston LePage acc. to René Tanguay acc. to René Tanguay Benoit Asselin	1 3 1 1
2	Ste. Anne des Monts	April 6	Frère Charles-Aimé	1
3	Ulverton	March 22	L. M. Terrill	1

TABLE 2
BLACK-BACKED THREE-TOED WOODPECKER RECORDS

Map Reference No.	Locality	Date	Observers	Number (Sex if given)
1	CONNECTICUT New Canaan New Britain Glastonbury West Hartford New Britain	Aug.-Oct. 1956	C. Bartow (<i>Audubon Field Notes</i> , Feb., 1957)	1
		Oct. 9-28	Edwin Austin	2
		Nov. 18	Dr. Whittles	1
		Nov. 21	Dr. Whittles	1
		Jan. 11 Feb. 7-April 6	<i>vide</i> Mrs. Mary French, <i>et al.</i> Edwin Austin	1 1
1 2	ILLINOIS Chicago Rockford	April 28-May 19	Allen C. Montague, (<i>Audubon Field Notes</i> , Aug., 1957)	1 ♀
		Dec. 9	R. Earl Olson	1 ♂
1	MAINE Androscoggin County Webster	Feb. 24 March 30	D. H. Morse D. H. Morse	1 ♀ 1 ♂
2	Cumberland County Bridgton Gorham	Nov. 22 Jan. 17	Edgerton Poole	1 1
3	Franklin County Coburn Gore Eustis Wilton	Feb. 22 April 20 April 24	De Garmo Therrien Fernald	1 ♀ 1 1 ♂
4	Kennebec County Augusta Farmingdale	Nov. 4 Dec. 28	Southard Emery	1 1
5	Knox County Monhegan Island St. George	Sept. 26 Oct. 6-12	Lawrence Hanneman	1 2 ♂
6	Lincoln County Pemaquid Point	Oct. 12	Mrs. Phillip L. Holden	2
7	Oxford County Baldpate Mountain	Sept. 29	Miss S. Wollaston	1 ♀
8	Piscataquis County Mount Katahdin	Oct. 12	Tabers	2

TABLE 2 (Continued)

Map Reference No.	Locality	Date	Observers	Number (Sex if given)
9	Sagadahoc County Bath	April 22	Emery	1
10	Somerset County Brighton Pleasant Ridge Plt. Rockwood The Forks Moose River	Nov. 14 Nov. 23 March 1 April 28 April 28	Camage Camage Foss N. L. Davis N. L. Davis	1 1 1 ♀ 2 1 ♀
11	Washington County South Addison	Oct. 19	Ewers	1 ♂
1	MASSACHUSETTS Essex County Haverhill Manchester Andover North Andover Magnolia North Andover Hamilton Rowley Newburyport Annisquam Newburyport North Andover Newbury North Andover	Sept. 29 Oct. 13 Oct. 25 Oct. 31 Nov. 19 Dec. 7 Jan. Jan. 27 Feb. 2-Feb. 28 Feb. 27 March March 2 April 12 May 5	Mrs. H. Cole Mr. and Mrs. John Day Craig Roberts, W. Byers Brian Harrington Mrs. Edwin S. Rand Craig Roberts R. Ames, <i>et al.</i> Ruth P. Emery C. DeWindt, E. Barry Mr. and Mrs. R. L. Gaffney <i>vide</i> Ruth P. Emery Torrey Jackson, John B. Holt, Jr. C. DeWindt Oscar M. Root	1 (specimen) 2 1 ♂ 1 ♀ 1 1 ♀ 1 1 ♂ 2 1 1 ♀ 1 ♂ 1 1 ♂
2	Middlesex County Lexington Hudson Winchester Hopkinton Weston Concord	Oct. 6 Oct. 22 Oct. 27 Oct. 23 Nov. 15 Mid-Dec.-Jan. 27 Feb. 16	Mr. and Mrs. F. Cutler Mrs. Parker Mrs. D. W. Kitchin Adelbert Temple R. Campbell Mrs. Standish Bourne T. R. Morse	1 ♀ 1 1 1 ♀ 1 2 1 ♀

TABLE 2 (Continued)

Map Reference No.	Locality	Date	Observers	Number (Sex if given)
3	Framingham	Feb. 23	F. Gleason	1
	Weston	March	Jean Wittenberger	1 ♀
		March 24	Stephen Cribben	1
	Sherborn	April 6	Mr. and Mrs. H. M. Channing	1 ♀
	Lexington	April 23	Mrs. A. H. Meyer	1 ♀
	Concord	May 7	Mary McClintock	1
4	Norfolk County			
	Wellesley Hills	Oct. 14–Nov. 25	Wayne Peterson, Mrs. P. L. Holden, K. Elkins	3
	Needham	Dec.	John Willison	1
	Dover	Dec. 16–18	Chas. C. Cabot, <i>et al.</i>	3
	Wollaston	Feb. 11	Robert Fox	1 ♀
	Wellesley	March 13–20	Mrs. A. Edmands	2 ♀
	Milton	April 13	Sarah H. Wollaston	1 ♀
	Hyde Park	Aug. 10, 1957	Leon Berig	1 ♂
	Southeast Massachusetts			
	Nantucket	Oct. 21	John V. Dennis	1 ♂
Cataumet	Oct. 27	E. C. Johnson	1	
Westport	Dec. 1	Norman Hill	1 ♂	
Berkley	April 18	Mrs. Athearn, <i>et al.</i>	2	
5	Western Massachusetts			
	Holyoke	Dec. 30	Rudolph Stone	1
	Northfield	Feb. 2	Mr. and Mrs. David A. Pepperell	1 ♀
	Mt. Tom	March 15 and 16	S. A. Eliot, <i>et al.</i> (<i>Audubon Field Notes</i> , Aug., 1957)	1
6	Worcester County			
	Worcester	Oct. 31	Mrs. Phillip B. Haywood	1 ♀
	Rutland	Dec. 1	Mr. and Mrs. Davis H. Crompton	1 ♂
	Barre	Dec. 7	Davis H. Crompton, David Miner	1 ♂
	Paxton	Dec. 9	Lloyd Jenkins, <i>et al.</i>	1 ♀
	Barre	Dec. 16	Davis H. Crompton, David Miner	1 ♀
		May 8	Campbell	1 ♀
1	MICHIGAN			
	Luzern	Nov. 19	L. M. Zimmerman	1
2	Marquette	Feb. 13	Ed Wieland	1

TABLE 2 (Continued)

Map Reference No.	Locality	Date	Observers	Number (Sex if given)
3	Kirtland's Warbler Country (First nesting record for the lower peninsula of Michigan)	May 31	Harold Mayfield	Nest with young
1	MINNESOTA Winona	May 4	John Futcher	1
1	NEW BRUNSWICK Fredericton	Early Nov.	<i>vide</i> W. A. Squires	1
2	King's County	June 19	(<i>Nature News</i> [N. B. Museum], 8[41]:2, July-Aug., 1957)	nest
1	NEW HAMPSHIRE Northern New Hampshire Monroe	Oct. 25-26	Ruby B. Emery, Priscilla Powers	1 ♀
	Littleton	Dec. 2	Ruby B. Emery	1 ♀
	Lancaster	Jan. 27	Mr. and Mrs. Wm. F. Nickerson	1
	Pinkham Notch	Feb.	Miss F. Lawson	1
2	Southern New Hampshire Nottingham	Oct. 20	Mr. and Mrs. N. L. Hatch	1
	Hollis	Oct. 21	W. H. Stimson	1 ♀
	Peterboro	Nov. 8-Dec. 20	W. Patten Hill	2
	New Hampton	March 1	R. Hebert	1
1	NEW JERSEY Culver's Gap	Oct. 22	F. W., <i>et al.</i> , (<i>Audubon Field Notes</i> , Feb., 1957)	1
1	NEW YORK STATE Buffalo Region Wilson Letchworth Park	Oct. 20	Dr. and Mrs. H. Axtell	2
		Oct. 28	Clayton Knox	1 ♀
		Nov. 4	Mr. and Mrs. E. Ulrich, <i>et al.</i>	1 ♂
		Nov. 24	Charles Summers	1
		Dec. 9	T. Ucci, Gertrude Webster	1
		Dec. 16	Walker, Gertrude Webster	1
		April 10	Mrs. Milligan, Mrs. J. Bacon	1
2	Armor	Oct. 11	Robt. Saunders, <i>et al.</i>	2 ♂
3	Chenango Valley State Park Clayton area	Dec.-March 10	Belknap, A. W. Allen	2

TABLE 2 (Continued)

Map Reference No.	Locality	Date	Observers	Number (Sex if given)
4	Finger Lakes area Sapsucker Woods Pond Ithaca	Mid-Jan. Feb. 2	David Allen	1
5	Keesville	Dec. 8	per Cornell Ornithology Laboratory T. A. Lesperance	1 (specimen)
6	Mill Neck	Mid-Feb.	John Elliott	1 ♂
7	New York City area Bedford	Oct. 20 April 28	Douglas Orbison, <i>et al.</i> George Gorman	1 1 ♂
8	New Rochelle Rochester area 1105 Monroe Ave. Scottsville	Nov. 18-April Nov. 23 Dec. 30	Stutz, Klonick, <i>et al.</i> O'Hara, Miller Whites	4 ♀, 3 ♂ 1 ♀ 1 ♀
	Summerville Drive Morville Drive	Jan. 2-10	Leo Tanghe	1 ♀, 1 ♂
9	Long Pond Woods Syracuse area Ava	April 27	O'Hara, Miller	1 ♀
	Fayetteville	Dec. 1	A. Jones	1 ♂
	Manlius	Dec. 30	Walter Spoffard	1
	Baldwinsville	Mid-Jan. Feb. 17-March 10 Feb. 24	<i>vide</i> Mrs. R. Gould F. Scheider, Evans Mr. and Mrs. J. Smith, <i>et al.</i> James Merritt	1 ♀ 1 ♀ 1 ♂, 2 ♀ 1 ♀
10	Watervliet	Dec. 22-Jan. 20		
1	NOVA SCOTIA Brier Island	Early Sept.	Harrison F. Lewis	1 ♀ (banded)
1	ONTARIO Algonquin Park	Oct. 27	J. L. Baillie, E. V. Stark, <i>et al.</i>	1
2	Bancroft area Paudash Lake	Jan. 5 Jan. 13	D. E. Scovell D. E. Scovell	1 ♀ 1
3	McGarry's Creek Barrie area	Sept. 25 Nov. 9 May 13 May 18	Mrs. J. MacLean Mrs. J. L. Westman L. Whiting Mrs. E. S. Lewis, <i>et al.</i>	1 1 1 1 ♂, 1 ♀

TABLE 2 (Continued)

Map Reference No.	Locality	Date	Observers	Number (Sex if given)		
4	Brockville area	Nov. 4	D. S. Hurrie	1 ♀		
		Dec. 29	J. Cartwright, S. Wilsie	1		
		Jan. 1	D. S. Hurrie	1 ♂		
		Jan. 12	D. S. Hurrie	1 ♂		
5	Cobourg area	Oct. 19	A. A. Outram	1		
		Oct. 26	H. Reeve, L. Steelc	1		
		Oct. 27	R. Burness	1		
		Early Nov.	Eleanor Ralls	1		
		Nov. 11	Miss A. M. Hughes, <i>et al.</i>	1 ♂		
		Dec. 16	G. Bennett	1		
		Dec. 23	Willow Beach Field Nat. Club	1		
		Dec. 23	Willow Beach Field Nat. Club	2		
		Jan. 6	Miss A. Wilson	1		
		Feb. 10	G. Bennett	1 ♂		
		Oct. 6-13	Paul Harrington	Flight of 4-5 daily		
		Dec. 26	Keith Denis	1		
		6	Hamilton area	Oct. 21-Dec. 1	R. Roy, G. W. North	1
Oct. 21-27	H. McPherson			1		
Nov. 17	H. Williams, J. Cummings			1		
Nov. 25	G. W. North, J. Miles			1		
Dec. 1	W. A. T. Gilmore			2		
Dec. 9	R. Henry			1		
Dec. 16	R. Seargent			1		
Dec. 30	J. Miles			1		
Dec. 30	H. Williams			2		
Jan. 12	J. Miles			1		
Feb. 2	<i>vide</i> P. Hamel			1		
Feb. 10	Hamilton Junior Nature Club			1		
March 1	S. McBride, H. McPherson			2		
Dec. 23	R. J. Rutter			1		
7	Fort William-Port Arthur					
8	Paradise Rd.-Hwy. #53					
9	Freeman & Westdale					

TABLE 2 (Continued)

Map Reference No.	Locality	Date	Observers	Number (Sex if given)
10	Kingston area Kingston Westport Bedford Mills Kingston	Oct. 9 Late Oct. Nov. 10 Dec. 16 Nov. 17	Helen Quilliam A. Strong A. Strong A. E. Garwood, W. Lamb Margaret Lemon J. G. Stephenson	1 ♂ 1 ♀ 1 ♂ 1 ♀ 1 ♀
11	Kingston	Christmas census	J. G. Stephenson	1
12	Kitchener	Dec. 2	James Leach, <i>et al.</i>	1
13	Kirkland Lake	Oct. 15	Isobel Miller	2
14	London	Fall 1956	<i>vide</i> W. Earl Godfrey	Several
15	Orangeville area Ottawa area	March 1 April 4	D. B. O. Saville D. B. O. Saville	1 1
16	Peterborough area	Oct. 28 Nov. 4 Nov. 18 Dec. 26 Feb. 9 April 19 April 21	A. Bunker, F. R. Pammett, J. L. McKeever D. Sadler, F. R. Pammett R. K. Baker R. K. Baker, F. R. Pammett, D. Sadler R. K. Baker F. R. Pammett G. C. Green	1 ♀ 1 ♂, 1 ♀ 1 ♂, 2 ♀ 1 ♂, 2 ♀ 1 ♂ 1 ♀ 1 ♂
17	Point Pelee	Oct. 27	R. E. Mara	1
18	Rutherglen	Fall, 1956	Louise de Kiriline Lawrence	1
19	St. Williams	April 19	Mr. and Mrs. R. Lloyd	3
20	Toronto area Willowdale Colborne Lodge Glen Major Woodbridge Pottageville Richmond Hill Finch Ave., North York Pickering Applewood Acres Lawrence Ave. E	Oct. 4 Oct. 11 Oct. 14 Oct. 14 Oct. 14 Oct. 21 Oct. 23 Oct. 24 Oct. 27 Oct. 28 Oct. 28	W. Wasserfall W. Wasserfall W. Higgins Mrs. O. S. Mitchell W. Williams L. L. Snyder Mrs. Curry W. Williams R. M. Saunders J. Dales Miss McGregor	1 ♀ (banded) 1 ♂ (banded) 1 ♀ 1 2 1 1 1 1 ♂ 1 1 1

TABLE 2 (Continued)

Map Reference No.	Locality	Date	Observers	Number (Sex if given)
	Purpleville	Oct. 28	Mrs. A. J. Ballinger	1 ♀
	Sunnybrook Hospital	Oct. 30	L. Hughes	1
	Willowdale	Early Nov.	W. Wasserfall	1 ♀ (banded)
	Glendon Hall	Early Nov.	E. Waltho	1
	Port Credit	Nov. 1	Mrs. D. R. Gunn	1
	Green River	Early Nov.	Mrs. P. Applegath	1
	Highland Creek	Nov. 4	J. Smith	1 ♀
	Royal Ontario Museum Grounds	Nov. 7	Sylvia Hahn	1
	College Street	Nov. 7	F. Darroch	1
	Bayview Ave.	Nov. 8	C. Atwood	1
	Richmond Hill	Nov. 11	<i>vide</i> L. L. Snyder	1
	Lorne Park	Nov. 11	D. R. Gunn, D. Perks	1
	Cherrywood	Nov. 12	M. Armstrong	1
	Port Credit	Nov. 13	D. R. Gunn	1 ♀
	Purpleville	Nov. 17	Mrs. D. Lewis	1 ♂
	Glendon Hall	Nov. 22	J. R. Mackintosh	2 ♂
	Bloor St. W.	Nov. 22	R. W. Trowern	1
	Cedarvale	Nov. 24	R. Pannell	1 ♀
	Glendon Hall	Nov. 27	J. Livingston, R. T. Peterson, J. L. Baillie	1 ♀
	Ajax	Dec. 2	W. Campbell	1 (banded)
	Lorne Park	Dec. 23	J. L. Baillie, <i>et al.</i>	4
	Smythe Park	Jan. 5	G. Giles	1 ♂
	James Gardens	Jan. 5	G. Giles	1
	Cooksville	March 20	Mrs. Houghton	1
	Thistleton	April 21	David Moore	1 ♀
	Applewood Acres	April 28	J. Dales	1
	Highland Creek	May 4-6	J. Smith	1 ♂
	Willowdale	May 5-11	W. Wasserfall	1
	Pickering	June 2	R. Taylor, D. O'Brien	1
	PENNSYLVANIA			
1	Pymatuning Reservoir	March 23	Hal H. Harrison	1

TABLE 2 (Continued)

Map Reference No.	Locality	Date	Observers	Number (Sex if given)
1	QUEBEC Barrière Caribou	Sept. 27	<i>vide</i> Abbé René Tanguay	1
2	Biencourt	Oct. 12	<i>vide</i> Abbé René Tanguay	1
3	Dosquet	May 16	Henri Ouellet	1
4	Ilets Jeremie	March 13	<i>vide</i> Abbé René Tanguay	1
5	Lac Frontière	Sept. 4-5	Jacques Normandin	2
6	Montreal region Montreal Senneville Hudson Heights Rigaud	Oct. 18	Louis Amédée Lord	2
		Oct. 5	Paul Lebout	1
		Nov. 7-April 23	R. S. and P. C. Abbott	1 ♀
		Dec. 30	Mrs. G. A. Golden	1
		March 21	Cerèle Jeune Naturalistes	1
7	Quebec City region Quebec City	Sept. 8	Ronald LePage	1
		Sept. 22	<i>vide</i> Abbé René Tanguay	2
		Oct. 5	<i>vide</i> Abbé René Tanguay	1
		Nov. 11	Francois Hamel	1
	Montmorency Valcartier	Nov. 11-March 20	<i>vide</i> Abbé René Tanguay	2
	Quebec City	Nov. 13	<i>vide</i> Abbé René Tanguay	1
	St. Foy	Nov. 25	Gaston LePage	1
	Quebec City	Dec. 1	Ronald LePage	1
		Dec. 29	Raymond Cayouette	1
	Valcartier	March 20	<i>vide</i> Abbé René Tanguay	1
	Notre Dame des Laurentides	March 20	Abbé Paul Etienne Sirois, Lucien Robitaille	1
8	St. Fabien de Panet	Dec. 28	Raymond McNeil	1 ♂
9	Ste. Felicité	Aug. 8, 1956	Raymond Cayouette, <i>et al.</i>	Family group of five
10	Temiscamingue	Feb. 8	<i>vide</i> Abbé René Tanguay	1 ♀
	VERMONT			
1	Okemo Mountain	Oct. 21	Elizabeth Ball	1
	WISCONSIN			
1	Jackson County	Nov. 25	Alan J. Rusch	1 ♂
2	Oconto County	Oct. 28	Carl H. Richter	1